

METHOD FOR OPERATING A VEHICLE CRASH SAFETY SYSTEM IN A VEHICLE HAVING A PRE-CRASH SENSING SYSTEM AND COUNTERMEASURE SYSTEMS

Abstract

A vehicle crash safety system (10) for an automotive vehicle has a pre-crash sensing system (17) generating a pre-crash signal, a vehicle dynamics detector (32) generating a vehicle dynamics signal, a pre-crash countermeasure system (40), and a pre-crash controller (12) controlling the pre-crash countermeasure system in response to the pre-crash signal and the vehicle dynamics signal. Vehicle crash safety system (10) also has a coordinated safety system controller (44) coupled to the pre-crash controller (12), an early crash sensing system (46) and an early crash countermeasure system (45). The coordinated safety system controller controls the early crash countermeasure in response to the early crash signal and signals from the pre-crash controller.